

SSSSSSSSSSSSS	UUU	UUU	MMM	MMM
SSSSSSSSSSSSS	UUU	UUU	MMM	MMM
SSSSSSSSSSSSS	UUU	UUU	MMM	MMM
SSS	UUU	UUU	MMMMMM	MMMMMM
SSS	UUU	UUU	MMMMMM	MMMMMM
SSS	UUU	UUU	MMMMMM	MMMMMM
SSS	UUU	UUU	MM	MM
SSS	UUU	UUU	MM	MM
SSS	UUU	UUU	MM	MM
SSS	UUU	UUU	MM	MM
SSSSSSSS	UUU	UUU	MM	MM
SSSSSSSS	UUU	UUU	MM	MM
SSSSSSSS	UUU	UUU	MM	MM
SSS	UUU	UUU	MM	MM
SSS	UUU	UUU	MM	MM
SSS	UUU	UUU	MM	MM
SSS	UUU	UUU	MM	MM
SSS	UUU	UUU	MM	MM
SSS	UUU	UUU	MM	MM
SSSSSSSSSSSS	UUUUUUUUUUUUUUU	UUUUUUUUUUUUUUU	MM	MM
SSSSSSSSSSSS	UUUUUUUUUUUUUUU	UUUUUUUUUUUUUUU	MM	MM
SSSSSSSSSSSS	UUUUUUUUUUUUUUU	UUUUUUUUUUUUUUU	MM	MM

FILEID**DATA

E 11

GE1
V04

DDDDDDDD	AAAAAA	TTTTTTTT	AAAAAA
DDDDDDDD	AAAAAA	TTTTTTTT	AAAAAA
DD DD	AA AA	TT	AA AA
DD DD	AA AA	TT	AA AA
DD DD	AA AA	TT	AA AA
DD DD	AA AA	TT	AA AA
DD DD	AA AA	TT	AA AA
DD DD	AA AA	TT	AA AA
DD DD	AAAAAAA	TT	AAAAAAA
DD DD	AAAAAAA	TT	AAAAAAA
DD DD	AA AA	TT	AA AA
DD DD	AA AA	TT	AA AA
DDDDDDDD	AA AA	TT	AA AA
DDDDDDDD	AA AA	TT	AA AA

....

LL		SSSSSSS
LL		SSSSSSS
LL		SS
LL		SS
LL		SS
LL		SSSSS
LL		SSSSS
LL		SS
LL		SS
LL		SS
LLLLLLLL		SSSSSSS
LLLLLLLL		SSSSSSS

DATA
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(2) 49 DECLARATIONS
(3) 66 DATA

GET
V04

0000 1 .TITLE DATA
0000 2 :IDENT 'V04-000'
0000 3 :*****
0000 4 :*
0000 5 :* COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
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0000 23 :*
0000 24 :*
0000 25 :*****
0000 26 :*
0000 27 :*
0000 28 :++
0000 29 :*
0000 30 : Facility:
0000 31 : SUMSLP utility
0000 32 :*
0000 33 : Environment:
0000 34 :*
0000 35 : User mode
0000 36 :*
0000 37 : Author:
0000 38 :*
0000 39 : R. Newland 18-Apr-1979
0000 40 :*
0000 41 : Modified by:
0000 42 :*
0000 43 :*
0000 44 : V03-001 BLS0278 Benn Schreiber 25-FEB-1984
0000 45 : Use fnm rather than dnm for SYS\$ERROR
0000 46 :*
0000 47 :--

DECLARATIONS

0000 49 : .SBTTL DECLARATIONS
0000 50 :
0000 51 :
0000 52 :
0000 53 : \$CLIDEF ; Define CLI offsets
0000 54 : \$FABDEF ; RMS FAB definitions
0000 55 : \$RABDEF ; RMS RAB definitions
0000 56 : \$NAMDEF ; RMS NAM definitions
0000 57 : \$XABDEF ; RMS XAB definitions
0000 58 : DEFSUMCBL ; SUM control block offsets
0000 59 : DEFSSLGEN ; SUMSLP general definitions
0000 60 :
0000 61 : FF = ^XC ; Form-feed character
0000 62 :
0000 63 :
0000 64 : \$GBLINI GLOBAL ; Force data allocation to be global
0000000C 0000

DATA

0000 66 .SBTTL DATA
0000 67 :
0000 68 :
00000000 69 .PSECT SUMSRW_DATA, NOEXE, LONG
0000 70 :
0000 71 \$DEF SUMSGL_CLIADDR .BLKL 1 ; CLI call back address
0004 72 \$DEF SUMSGQ_CMDLINE .BLKQ 1 ; Command line descriptor
000C 73 \$DEF SUMSGL_FLAGS .BLKL 1 ; Control flags
0010 74 \$DEF SUMSAT_AUDIT .BLKB 16 ; Audit trail
0020 75 :
0021 76 \$DEF SUMSAT_LINENO .BLKB 6 ; Line number
0027 77 \$DEF SUMSAT_LINENE .BLKB 1 ; Separator
0028 78 \$DEF SUMSAT_BUFFER .BLKB SSL\$BUFSZE ; Buffer
0127 79 :
0127 80 \$DEF SUMSAX_CBL .BLKB SUM_K_BLN ; SUM control block
0144 81 \$DEF SUMSGL_UPDATES .BLKL 1 ; Update files list address
0148 82 :
0148 83 \$DEF SUMSAT_INPUTFN .BLKB SSL\$FILSZ : Input file name buffer
0188 84 \$DEF SUMSAT_OUTPUTFN .BLKB SSL\$FILSZ : Output file name buffer
01C8 85 \$DEF SUMSAT_LISTFN .BLKB SSL\$FILSZ : List file name bufer
0208 86 \$DEF SUMSAX_RHB .BLKB SSL\$RHBSZE ; Record header buffer
0214 87 \$DEF SUMSGW_PAGENO .BLKW 1 ; Page number
0216 88 \$DEF SUMSGW_PAGESZ .BLKW 1 ; Page size
0218 89 \$DEF SUMSGW_LINENO .BLKW 1 ; Line number
021A 90 :
021A 91 :
021A 92 : RMS blocks
021A 93 :
021A 94 : ALIGN LONG
021C 95 :
021C 96 SUMSAX_INPUTFAB:: ; Input file FAB
021C 97 SFAB FAC = GET -
021C 98 NAM = SUMSAX_INPUTNAM -
021C 99 XAB = SUMSAX_INPUTXAB
026C 100 :
026C 101 SUMSAX_INPUTXAB:: ; Input file extended attribute block
026C 102 \$XABDAT ; for creation date/time
0298 103 :
0298 104 SUMSAX_INPUTNAM:: ; Input file NAM block
0298 105 SNAM ESA = SUMSAT_INPUTFN -
0298 106 ESS = SSL\$FILSZ -
0298 107 RSA = SUMSAT_INPUTFN -
0298 108 RSS = SSL\$FILSZ
02F8 109 :
02F8 110 SUMSAX_INPUTRAB:: ; Input file record access block
02F8 111 SRAB FAB = SUMSAX_INPUTFAB -
02F8 112 UBF = SUMSAT_BUFFER -
02F8 113 USZ = SSL\$BUFSZE -
02F8 114 MBF = 4 -
02F8 115 ROP = RAH
033C 116 :
033C 117 SUMSAX_OUTPUTFAB:: ; Output file FAB
033C 118 SFAB FAC = PUT -
033C 119 RAT = CR -
033C 120 FOP = OFP -
033C 121 NAM = SUMSAX_OUTPUTNAM
038C 122 :

038C 123 SUM\$AX_OUTPUNAM:: ; Output file NAM block
038C 124 \$NAM ESA = SUMSAT_OUTPUFN -
038C 125 ESS = SSLSF1[SZE -
038C 126 RSA = SUMSAT_OUTPUFN -
038C 127 RSS = SSLSF1[SZE -
038C 128 RLF = SUM\$AX_INPUTNAM
03EC 129 :
03EC 130 SUM\$AX_OUTPURAB:: ; Output file record access block
03EC 131 \$RAB FAB = SUM\$AX_OUTPUFAB -
03EC 132 RBF = SUMSAT_BUFFER -
03EC 133 MBF = 4 -
03EC 134 ROP = WBH
0430 135 :
0430 136 SUM\$AX_LISTFAB:: ; List file FAB
0430 137 \$FAB DNM = <.LIS> -
0430 138 FAC = PUT -
0430 139 RAT = CR -
0430 140 FOP = OFP -
0430 141 NAM = SUM\$AX_LISTNAM
0480 142 :
0480 143 SUM\$AX_LISTNAM:: ; List file NAM block
0480 144 \$NAM ESA = SUMSAT_LISTFN -
0480 145 ESS = SSLSF1[SZE -
0480 146 RSA = SUMSAT_LISTFN -
0480 147 RSS = SSLSF1[SZE -
0480 148 RLF = SUM\$AX_INPUTNAM
04E0 149 :
04E0 150 SUM\$AX_LISTRAB:: ; List file record access block
04E0 151 \$RAB FAB = SUM\$AX_LISTFAB -
04E0 152 MBF = 4 -
04E0 153 ROP = WBH
0524 154 :
0524 155 SUM\$AX_TERMFAB:: ; Terminal file FAB
0524 156 \$FAB FNM = <SY\$ERROR:> -
0524 157 FAC = PUT -
0524 158 RAT = CR
0574 159 :
0574 160 SUM\$AX_TERMRAB:: ; Terminal file RAB
0574 161 \$RAB FAB = SUM\$AX_TERMFAB
0588 162 :
0588 163 :
0588 164 SUM\$AQ_MSGDES:: ; Message descriptor
0588 165 .LONG 64,SUMSAT_MSGBUF
05C0 166 :
05C0 167 SUM\$AW_MSGLEN:: ; Return message length
05C0 168 .BLKW 1
05C2 169 .BLKW 1
05C4 170 :
05C4 171 SUMSAT_MSGBUF:: ; Message buffer
05C4 172 .BLKB 64
0604 173 :
0604 174 : Title line
0604 175 :
0604 176 SUM\$GQ_TITLEDS:: ; Descriptor to date/time
0604 177 .LONG 20,SUMSAT_TITLEDT
060C 178 :
060C 179 SUMSAT_TITLE::

DATA
V04-000

DATA

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5-SEP-1984 03:38:24 [SUM.SRC]DATA.MAR;1

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(3)

0C 060C 180 .BYTE FF
0D 060D 181 .BYTE ^A/ /[60]

0649 182 SUMSAT_TITLEDT::
0649 183 .BLKB 20
065D 184 .ASCII / VAX-11 SUMSLP V01.00/
0669 185 .BYTE ^A/ /[16]
0675 186 .ASCII /Page /
0681 187 .BYTE ^A/ /[4]
068E 188 SUMSAT_TITLEPN::
068E 189 SUMSK_TITLELN == .-SUMSAT_TITLE
068E 190 :
068E 191 : Subtitle line
068E 192 :
068E 193 :
068E 194 SUMSGQ_SBTLDS:: : Descriptor to date/time
068E 195 .LONG 20,SUMSAT_SBTLDT
0696 196 :
0696 197 SUMSAT_SBTTL::
0696 198 .BYTE ^A/ /[60]

06D2 199 SUMSAT_SBTLDT::
06D2 200 .BLKB 20
06E6 201 .BYTE ^A/ /[4]
06EA 202 SUMSAT_SBTLFS::
06EA 203 .BYTE ^A/ /[45]

0717 204 SUMSK_SBTLIN == .-SUMSAT_SBTTL
0717 205 :
0717 206 :
0717 207 .END

DATA
Symbol table

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(3)

\$\$TAB	= 00000574	R	02	SUMSAT_SBTLLDT	= 000006D2	RG	02
\$\$TABEND	= 000005B8	R	02	SUMSAT_SBTTLFS	= 000006EA	RG	02
\$\$TMP	= 00000000			SUMSAT_TITLE	= 0000060C	RG	02
\$\$TMPX	= 00000004	R	03	SUMSAT_TITLEDT	= 00000649	RG	02
\$\$TMPX1	= 0000000A			SUMSAT_TITLEPN	= 0000068E	RG	02
BIT...	= 00000005			SUMSAW_MSGLEN	= 000005C0	RG	02
FAB\$B_DNS	= 00000035			SUMSAX_CBL	= 00000127	RG	02
FAB\$B_FNS	= 00000034			SUMSAX_INPUTFAB	= 0000021C	RG	02
FAB\$C_BID	= 00000003			SUMSAX_INPUTNAM	= 00000298	RG	02
FAB\$C_BLN	= 00000050			SUMSAX_INPUTRAB	= 000002F8	RG	02
FAB\$C_SEQ	= 00000000			SUMSAX_INPUTXAB	= 0000026C	RG	02
FAB\$C_VAR	= 00000002			SUMSAX_LISTFAB	= 00000430	RG	02
FABSL_ALQ	= 00000010			SUMSAX_LISTNAM	= 00000480	RG	02
FABSL_DNA	= 00000030			SUMSAX_LISTRAB	= 000004E0	RG	02
FABSL_FNA	= 0000002C			SUMSAX_OUTPUFAB	= 0000033C	RG	02
FABSL_FOP	= 00000004			SUMSAX_OUTPUNAM	= 0000038C	RG	02
FAB\$V_CHAN_MODE	= 00000002			SUMSAX_OUTPURAB	= 000003EC	RG	02
FAB\$V_CR	= 00000001			SUMSAX_RHB	= 00000208	RG	02
FAB\$V_FILE_MODE	= 00000004			SUMSAX_TERMFAB	= 00000524	RG	02
FAB\$V_GET	= 00000001			SUMSAX_TERMRAB	= 00000574	RG	02
FAB\$V_LNM_MODE	= 00000000			SUMSGL_CLIADDR	= 00000000	RG	02
FAB\$V_OFP	= 0000001D			SUMSGL_FLAGS	= 0000000C	RG	02
FAB\$V_PUT	= 00000000			SUMSGL_UPDATES	= 00000144	RG	02
FAB\$W_GBC	= 00000048			SUMSGQ_CMDLINE	= 00000004	RG	02
FF	= 0000000C			SUMSGQ_SBTTLDS	= 0000068E	RG	02
NAM\$B_ESS	= 0000000A			SUMSGQ_TITLEDS	= 00000604	RG	02
NAM\$B_NOP	= 00000008			SUMSGW_LINENO	= 00000218	RG	02
NAM\$B_RSS	= 00000002			SUMSGW_PAGENO	= 00000214	RG	02
NAM\$C_BID	= 00000002			SUMSGW_PAGESZ	= 00000216	RG	02
NAM\$C_BLN	= 00000060			SUMSK_SBTLLN	= 00000081	G	
NAM\$L_ESA	= 0000000C			SUMSK_TITLELN	= 00000082	G	
NAM\$L_RSA	= 00000004			SUM_B_FLAGS	= 0000001C		
RAB\$B_RAC	= 0000001E			SUM_K_BLN	= 0000001D		
RAB\$C_BID	= 00000001			SUM_L_ISDATA	= 00000004		
RAB\$C_BLN	= 00000044			SUM_L_STS	= 00000000		
RAB\$C_SEQ	= 00000000			SUM_M_AUDIT	= 00000001		
RAB\$L_CTX	= 00000018			SUM_M_AUDITNEW	= 00000002		
RAB\$L_ROP	= 00000004			SUM_M_DELETE	= 00000010		
RAB\$V_RAH	= 00000009			SUM_M_SRCUPD	= 00000004		
RAB\$V_WBH	= 0000000A			SUM_M_SUBCLSH	= 00000008		
SIZ...	= 00000001			SUM_Q_AUDDS	= 00000008		
SSL\$AULSZE	= 00000018			SUM_Q_FILESP	= 00000010		
SSL\$AUTSZE	= 00000010			SUM_V_AUDIT	= 00000000		
SSL\$BUFSZE	= 000000FF			SUM_V_AUDITNEW	= 00000001		
SSL\$FILSZE	= 00000040			SUM_V_DELETE	= 00000004		
SSL\$LNOSZE	= 00000006			SUM_V_SRCUPD	= 00000002		
SSL\$RHBSZE	= 0000000C			SUM_V_SUBCLSH	= 00000003		
SUMSAQ_MSGDES	000005B8	RG	02	SUM_W_INSERT_NO	= 0000001A		
SUMSAT_AUDIT	00000010	RG	02	SUM_W_LINE_NO	= 00000018		
SUMSAT_BUFFER	00000028	RG	02	XAB\$C_DAT	= 00000012		
SUMSAT_INPUTFN	00000148	RG	02	XAB\$C_DATLEN	= 0000002C		
SUMSAT_LINENE	00000027	RG	02	XAB\$L_NXT	= 00000004		
SUMSAT_LINENO	00000021	RG	02	XABSQ_EDT	= 0000001C		
SUMSAT_LISTFN	000001C8	RG	02				
SUMSAT_MSGBUF	000005C4	RG	02				
SUMSAT_OUTPUFN	00000188	RG	02				
SUMSAT_SBTTL	00000696	RG	02				

GET
PsePSE

• SAE
SUM
SUMPha

Ini
Con
Pas
Syn
Pas
Syn
Pse
Crc
AssThe
198
The
275
12Mac

\$2
-\$2
TO1
399

The

MAC

+-----+
! Psect synopsis !
+-----+

PSECT name	Allocation	PSECT No.	Attributes
: ABS	00000000 (0.)	00 (0.)	NOPIC USR CON ABS LCL NOSHR NOEXE NORD NOWRT NOVEC BYTE
\$ABSS	0000001D (29.)	01 (1.)	NOPIC USR CON ABS LCL NOSHR EXE RD WRT NOVEC BYTE
SUM\$RW DATA	00000717 (1815.)	02 (2.)	NOPIC USR CON REL LCL NOSHR NOEXE RD WRT NOVEC LONG
\$RMSNAM	0000000E (14.)	03 (3.)	NOPIC USR CON REL LCL NOSHR EXE RD WRT NOVEC BYTE

+-----+
! Performance indicators !
+-----+

Phase	Page faults	CPU Time	Elapsed Time
Initialization	34	00:00:00.07	00:00:00.36
Command processing	128	00:00:00.58	00:00:02.46
Pass 1	270	00:00:09.30	00:00:20.95
Symbol table sort	0	00:00:00.98	00:00:01.48
Pass 2	58	00:00:01.57	00:00:03.51
Symbol table output	13	00:00:00.11	00:00:00.12
Psect synopsis output	3	00:00:00.03	00:00:00.04
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	508	00:00:12.65	00:00:28.93

The working set limit was 1350 pages.

47097 bytes (92 pages) of virtual memory were used to buffer the intermediate code.

There were 40 pages of symbol table space allocated to hold 762 non-local and 0 local symbols.

207 source lines were read in Pass 1, producing 19 object records in Pass 2.

31 pages of virtual memory were used to define 26 macros.

+-----+
! Macro library statistics !
+-----+

Macro library name	Macros defined
\$255\$DUA28:[SUM.OBJ]SUM.MLB;1	4
\$255\$DUA28:[SYSLIB]STARLET.MLB;2	18
TOTALS (all libraries)	22

1009 GETS were required to define 22 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LISS:DATA/OBJ=OBJ\$:DATA MSRCS:DATA/UPDATE=(ENHS:DATA)+LIB\$:SUM/LIB

0368 AH-BT13A-SE
VAX/VMS V4.0

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SUMSLP
MAP

DATA
LIS

SUMSHR
MAP

SUMDATA
LIS

SRTTRNMSG
LIS

UTLCHKLI
LIS

SUM

SUM
MAP

SUMDEF
MAP

MAIN
LIS

SUMED
LIS

SUMEDIT
LIS

GETCMD
LIS